

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(362877)] LIEBHERR R914 053852-1511 - Diesel Engine

Sample No: LH0287897

Oil Type: LIEBHERR MOTOROIL 5W30



#### Sample Information

Sample Number	LH0287897	---	---	---
Sample Date	26 Apr 2024	---	---	---
Machine Hours	529	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**HAFKE PROPERTY MAINTENANCE**  
 201 MAIN STREET  
 TOBIQUE FIRST NATION, NB  
 CA E7H 2X3  
 Contact: Service Manager



#### Oil Condition

Visc @ 100°C	cSt	● 11.3	---	---	---
Oxidation (PA)	%	53	---	---	---

T:  
F:



#### Contamination

Water	%	NEG	---	---	---
Soot %	%	● 0	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	● 0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	● 12	---	---	---
Sodium	ppm	● 6	---	---	---
Potassium	ppm	● 6	---	---	---

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



#### Wear Metals

Iron	ppm	● 31	---	---	---
Copper	ppm	● 80	---	---	---
Lead	ppm	● 3	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 8	---	---	---
Chromium	ppm	● 4	---	---	---
Molybdenum	ppm	● 4	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	1168	---	---	---
Magnesium	ppm	● 749	---	---	---
Zinc	ppm	789	---	---	---
Phosphorus	ppm	674	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	39	---	---	---

**Depot:** HAFTOB  
**Unique No:** 5774521  
**Signed:** Kevin Marson  
**Report Date:** 07 May 2024



### Graphs

